SERVICE MANUAL

SERVICE MANUAL SECTION

3200, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 8500, 8600 SERIES Built October 1, 2002 and After — ELECTRICAL CIRCUIT DIAGRAMS

Truck Model: 3200 Start Date: 03/01/2002

Truck Model: 4200 Start Date: 10/01/2002

Truck Model: 4300 Start Date: 10/01/2002

Truck Model: 4400 Start Date: 10/01/2002

Truck Model: 7300 Start Date: 10/01/2002

Truck Model: 7400 Start Date: 10/01/2002

Truck Model: 7500 Start Date: 10/01/2002

Truck Model: 7600 Start Date: 12/01/2001

Truck Model: 8500 Start Date: 10/01/2002

Truck Model: 8600 Start Date: 10/01/2002

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10/01/2002

Table of Contents

	CTIONS AND CHARTS (CHAPTER 1)	
1.1.	. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 1	.1
	. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 2	
	. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 3	
	. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 4	
	. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 5	
1.6	. NAVPAK/ECM I6 ENGINE CONTROLLER CONNECTOR PIN NUMBER IDENTIFICATION, P.	
1.0	6	
17	. CIRCUIT DIAGRAM INSTRUCTIONS, P. 7.	7
	CIRCUIT DIAGRAM INSTRUCTIONS, P. 7	
	SCHEMATIC SYMBOL CHART, P. 9	
	0. RELAY FUNCTIONS, P. 10	
1.1	1. LAMP BULB CHART, P. 11	1
1.13	2. NAVPAK/ECM V8-AVNT CONTROLLER CONNECTORS X3 AND X4 PIN NUMBER	
	IDENTIFICATION, P.121	2
2. 12 VOLT	POWER DISTRIBUTION CIRCUIT DIAGRAMS (CHAPTER 2)1	3
2.1.	. ACCESSORY, P. 11 . BATTERY FEEDS, CAB, P. 21	3
2.2	. BATTERY FEEDS, CAB, P. 21	4
2.3	. BATTERY, P. 31	5
2.4	. BATTERY, P. 3	6
2.5	. SWITCH DATA LINK, P. 51	17
2.6	. DRIVETRAIN 1939 DATA LINK (CAB), P. 61	8
	. DRIVETRAIN 1939 DATA LINK (CHAŚSIS), P. 71	
	. GROUNDS CHASSIS, P. 8	
	. GROUNDS CHASSIS, P. 9	
	0. GROUNDS IP, P. 10	
	1. GROUNDS IP, P. 11	
	2. IGNITION CAB, P. 12	
	3. IGNITION CAB, P. 13	
2.1	4. IGNITION FEEDS, CHASSIS, P. 14	.c
	5. START, P. 15	
2.1	J. JIANI, I. 10	٠,
3 CAB AC	CESSORIES (CHAPTER 3)2	2
3. CAD AC	CIGAR LIGHTER AND POWER FEEDS, P. 1	20
	CB POWER, P. 2	
	COMPASS AND TEMPERATURE DISPLAY, P. 3	
3.4	. FRONT DOORS WINDOWS AND LOCKS (POWER), P. 4) I
3.5	. CREW DOORS WINDOWS AND LOCKS (POWER), P. 5	12
	. HORN, DUAL ELECTRIC, P. 6	
	. MIRRORS (HEATED, LIGHTED AND POWER), P. 7	
	. RADIO (ENTERTAINMENT), SPEAKERS, P. 8	
	. WINDSHIELD WIPER AND WASHER PUMP, P. 93	
	0. 2–WAY RADIO, P. 103	
	1. SWITCH PACK, OPTIONAL GAUGE PACK, P. 113	
	2. LIGHTED AIR SHIELD, P. 12	
3.1	3. ROOF AUX. LOAD. P. 13	10

	3.14. SATELLITE COMMUNICATION QUALCOMM-MCT AND IMCT SYSTEMS, P. 14	
	3.15. SELF CONTAINED AIR SEAT, P. 15	
	3.16. DIGITAL CLOCK PTC, P. 16	
	3.17. TRANSMISSION ALLISON LCT COLUMN SHIFTER, P. 17	44
4.	12V CHARGING + CRANKING SYSTEM (CHAPTER 4)	45
	4.1. I6 HEUI ENGINES, P. 1	
	4.2. V8 AVNT ENGINES, P. 2	
	4.3. CATERPILLAR ENGINES, P. 3	
_	FANO AND ENGINE ACCESSORIES (OUADTED 5)	40
5.	FANS AND ENGINE ACCESSORIES (CHAPTER 5)	
	5.1. FAN WIRING, P. 1	
	5.2. ETHER START, P. 2	
	5.4. FAN WIRING, CATERPILLAR AND CUMMINS, P. 4	
	5.4. I AN WIKING, CAI LIVEILLAIN AND COMMINING, F. 4	
6.	ELECTRONIC ENGINES (CHAPTER 6)	52
	6.1. ELECTRONIC ÈNGINE CONTROLS, I6-HEUI ENGINES, P. 1	
	6.2. ELECTRONIC ENGINE CONTROLS, I6-HEUI ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS, P. 2	
	6.3. ELECTRONIC ENGINE CONTROLS, (V8–AVNT) ENGINES, P. 3	5d
	6.4. ELECTRONIC ENGINE CONTROLS, V8-AVNT ENGINE CRUISE CONTROL AND BODY	
	BUILDER CONNECTIONS, P. 4	55
	6.5. CATERPILLAR C10 AND C12 ENGINES, P. 5	56
	6.6. CUMMINS ISM ENGINE, P. 6	
7.	GAUGES WITH AND WITHOUT INTEGRAL WARNING LIGHT (CHAPTER 7)	58
	7.1. IP/GAUGE LIST, P. 1	
	7.2. WARNING LIGHT LIST, P. 2	
	7.3. WARNING LIGHTS CONTROLLED BY ENGINE, TRANSMISSION, ABS CONTROLLER, P. 3	
	7.4. ENGINE OIL PRESSURE AND TEMP, SPEEDOMETER, TACH, VOLTMETER AND WATER	∪∪ ₹
	TEMP GAUGE CIRCUITS, P. 4	
	7.5. IP/GAUGES AND WARNING LIGHTS — GAUGE CLUSTER, P. 5	62
	7.6. AIR PRESSURE INPUT CIRCUIT, P. 6	63
	7.7. AXLE TEMPERATURE, FWD REAR AND REAR AXLES, GAUGE INPUT CIRCUIT, P. 7	
	7.8. FUEL GAUGE INPUT CIRCUIT (SINGLE TANK) DIFFERENTIAL LOCK WARNING LAMPS	
	87.9. GAUGES AND WARNING LIGHTS — FUEL FILTER RESTRICTION AND WATER IN FUEL	65
	LIGHTS. P. 9.	66
	7.10. GAUGES AND WARNING LIGHTS — PARK BRAKE LIGHT AND TRANSMISSION OIL TE	EMP.
	GAUGE, P. 10	
	7.11. GAUGES AND WARNING LIGHTS — AMMETER, P. 11	
	7.12. ENGINE OIL TEMPERATURE GAUGE WITH CATERPILLAR, P. 12	69
8	LIGHTS (CHAPTER 8)	70
٠.	8.1. BACK UP LIGHTS, P. 1	
	8.2. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LAMPS, P.	
	2	
	8.3. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LAMPS	
	(CONT.), P. 3	
	8.4. LIGHT SYSTEMS — TURN SIGNAL AND STOP SWITCHES, P. 4	
	8.5. DOME LIGHT, MAP LIGHT, P. 5	74

8.6. DOME LIGHT, MAP LIGHT (CONT.), P. 6	
8.7. FOG LIGHT AND WORK LIGHT, P. 7	76
8.8. HEADLIGHTS, P. 8	77
8.9. AUX. HEADLIGHTS, AUX. PARK, AUX TURN, P. 9	78
8.10. PANEL LIGHTS, P. 10	
9. CHASSIS ACCESSORIES (CHAPTER 9)	80
9.1. AIR DRYER AND HEATED DRAIN VALVE, P. 1	
9.2. ANTILOCK BRAKE SYSTEM (ABS), AIR, P. 2	
9.3. ANTILOCK BRAKE SYSTEM (ABS), AIR, TRACTION CONTROL, P. 3	
9.4. ANTILOCK BRAKE SYSTEM (ABS), HYDRAULIC, P. 4	
9.5. ANTILOCK BRAKE SYSTEM (ABS), HYDRAULIC (CONT.), P. 5	
9.6. ANTILOCK BRAKE SYSTEM (ABS), HYDRAULIC (CONT.), P. 6	
9.7. TWO SPEED AXLE SWITCH W/MANUAL TRANSMISSION FUEL HEATER N/WARN LIG	HTS
P. 7	
9.8. BRAKE SYSTEM, HYDRAULIC, P. 8	
9.9. FUEL TRANSFER PUMP, P. 9.	
9.10. BACK OF CAB BODY BUILDER AND TRAILER STOP, TAIL, MARKER, P. 10	
9.11. BODY BUILDER AND TRAILER TURNS, CENTER PIN ABS, CENTER PIN AUX, P. 11	
9.11. BODY BUILDER AND TRAILER TORNS, CENTER FIN ABS, CENTER FIN AUX, P. 11 9.12. BODY BUILDER AND TRAILER SOCKET BACK OF CAB SOCKETS, P. 12	
9.13. BODY BUILDER AND TRAILER SOCKET END OF FRAME (EOF) SOCKET AND BOD	
BUILDER, P. 13	
9.15. REMOTE POWER UNITS, SOLENOID PACKS, REMOTE ENGINE SPEED CONTROLL	
15	
9.16. HYD POWER PARK, P. 16	
9.17. AIR SUSPENSION, P. 17	
9.18. AUX. TRAILER, ACC CONTROLLED, P. 18	
9.19. AUX. TRAILER, BTRY CONTROLLED, P. 19	
9.20. LIFT AXLES (NON-STEERABLE), P. 20	
9.21. LIFT AXLES (STEERABLE), P. 21	
9.22. AIR ACTUATED PARK BRAKE, P. 22	
9.23. ANTILOCK BRAKE SYSTEM, WABCO AIR, P. 23	
9.24. ANTILOCK BRAKE SYSTEM, WABCO AIR, P. 24	
9.25. LIFT AXLES, WITH MULTIPLES FOR SS MODELS, P. 25	
9.26. FUEL / WATER SEPARATOR WITH 12VDC FUEL PREHEATER, P. 26	105
10. TRANSMISSIONS (CHAPTER 10)	106
10.2. ALLISON MD TRANSMISSION, P. 2	
10.3. ALLISON MD TRANSMISSION (CONT.), P. 3	
10.4. ALLISON MD TRANSMISSION (CONT.), P. 4	109
10.5. TRANSMISSION, WTEC MD WAUTO NEUTRAL, P. 5	110
10.6. EATON AUTOSHIFT TRANSMISSION, P. 6	111
10.8. EATON LIGHTNING TRANSMISSION, P. 8	113
44 AID CONDITIONING (OLIABTED 42)	
11. AIR CONDITIONING (CHAPTER 11)	
11.1. HVAC SYSTEMS, P. 1	114
11.2. AIR CONDITIONING (ONLY), P. 2	115
40. COMMENTOR COMPOSITES (OUA PERS 40)	
12. CONNECTOR COMPOSITES (CHAPTER 12)	116
12.1. CONNECTOR COMPOSITES (10M), (71), (72), (345F), P. 1	116

12.2 CONNECTOR COMPOSITES (1020), (1030), (1010), P. 3		
12.4. CONNECTOR COMPOSITE (1011), P. 4		
12.5. CONNECTOR COMPOSITE (1012), P. 5		
12.6. CONNECTOR COMPOSITE (1013), P. 6		
12.7. CONNECTOR COMPOSITES (1014), P. 7. 12.8. CONNECTOR COMPOSITES (1018), (1019M), (1020M), (1021M), (1022M), P. 8. 12.9. CONNECTOR COMPOSITES (1018), (1019M), (1020M), (1021M), (1022M), P. 8. 12.10. CONNECTOR COMPOSITES (1027M, F), (1100), (1101A), (1101), (1102), P. 9. 12.11. CONNECTOR COMPOSITES (1300), (1301), (1400), (1402), (1410), (1500), (1510), P. 11. 12.12. CONNECTOR COMPOSITES (1553), (1554F), (1555), (1600), (1601), (1650), P. 12. 12.13. CONNECTOR COMPOSITES (1652), (1657M), (1658), (1659), (1600), P. 13. 12.14. CONNECTOR COMPOSITES (1652), (1657M), (1658), (1659), (1600), P. 13. 12.15. CONNECTOR COMPOSITES (1804), (1807), (1808), (1800), (1810), (1811), (1812), (1813), (1814), (1815), P. 14. 12.16. CONNECTOR COMPOSITES (1820), (1822), (1823), (1824), (1828), (1860), (1861), (1901M), (1915), P. 15. 12.17. CONNECTOR COMPOSITES (2006M), (2007F), (2021F), (2021M), (2004M), (2005M), P. 16. 12.17. CONNECTOR COMPOSITES (2006M), (2007F), (2021F), (2021M), (2022F), (2022M), (2011M), (2112M), (2113M), (2114M), (2115M), (2115M), (2116M), (2117M), (2301M), (2302M), (2303M), P. 17. 12.18. CONNECTOR COMPOSITES (2304M), (2305M), (2306M), (2307F), (2308F), (2502F), (2022M), (2502F), M), (2600F, M), P. 18. 12.19. CONNECTOR COMPOSITES (2601M, F), (2602M, F), (3000M), (3000F), (3002M), (3003M), (3100M), (3200F, M), (3201M), (3201M), (3203M), P. 19. 12.21. CONNECTOR COMPOSITES (2601M, F), (2602M, F), (3000M), (3007F), (3002M), (3003M), (3100M), (3200F, M), (3201M), (3201M), (3203M), P. 19. 12.22. CONNECTOR COMPOSITE (4001), P. 21. 12.23. CONNECTOR COMPOSITE (4001), P. 21. 12.24. CONNECTOR COMPOSITE (4001), P. 22. 137. 12.25. CONNECTOR COMPOSITE (4001), P. 25. 142. 142.26. CONNECTOR COMPOSITES (4004), (4007), (4008), P. 24. 138. 139. 140. 140. 141. 141. 141. 142. 142. 142. 142. 142. 142. 143. 143. 144.		
12.8. CONNECTOR COMPOSITES (1018), (1019M), (1020M), (1021M), (1022M), P. 8		
12.9. CONNECTOR COMPOSITES (1027M, F), (1100), (1101A), (1101), (1102), P. 9		
12.10. CONNECTOR COMPOSITES (1104), (1106), (1200), (1210), P. 10		
12.11. CONNECTOR COMPOSITES (1300), (1301), (1400), (1402), (1410), (1500), (1510), P. 11		
11		125
12.12. CONNECTOR COMPOSITES (1553), (1554F), (1555), (1600), (1601), (1650), P. 12		
12.13. CONNECTOR COMPOSITES (1852), (1857M), (1658), (1859), (1800), P. 13		
12.14. CONNECTOR COMPOSITES (1804), (1807), (1808), (1809), (1810), (1811), (1812), (1813), (1814), (1815), P. 14		
(1814), (1815), P. 14		
12.15. CONNECTOR COMPOSITES (1820), (1822), (1823), (1824), (1828), (1860), (1861), (1901M), (1915), P. 15		-
(1915), P. 15	(1814), (1815), P. 14	
12.16. CONNECTOR COMPOSITES (1918), (1920), (2000), (2002M), (2003M), (2004M), (2005M), P. 16		
16.	(1915), P. 15	
12.17. CONNECTOR COMPOSITES (2006M), (2007F), (2021F), (2021M), (2022F), (2022M), (2111M), (2112M), (2113M), (2114M), (2115M), (2116M), (2117M), (2301M), (2302M), (2303M), P. 17		
(2111M), (2112M), (2113M), (2114M), (2115M), (2116M), (2117M), (2301M), (2302M), (2303M), P. 17	•	131
17		_
12.18. CONNECTOR COMPOSITES (2304M), (2305M), (2306M), (2307F), (2308F), (2502F), (2502M), (2503F, M), (2600F, M), P. 18		
(2502M), (2503F, M), (2600F, M), P. 18		132
12.19. CONNECTOR COMPOSITES (2601M, F), (2602M, F), (3000M), (3000F), (3002M), (3003), (3100M), (3200F, M), (3201M), (3202), (3203M), P. 19		
(3100M), (3200F, M), (3201M), (3202), (3203M), P. 19		
12.20. CONNECTOR COMPOSITES (3204M, F), (3209), (3210M), (3211M), (4000), P. 20		
12.21. CONNECTOR COMPOSITE (4001), P. 21	(3100M), (3200F, M), (3201M), (3202), (3203M), P. 19	134
12.22. CONNECTOR COMPOSITE (4002), P. 22	12.20. CONNECTOR COMPOSITES (3204M, F), (3209), (3210M), (3211M), (4000), P. 20	135
12.23. CONNECTOR COMPOSITE (4003), P. 23		
12.24. CONNECTOR COMPOSITES (4004), (4007), (4008), P. 24		
12.25. CONNECTOR COMPOSITE (4014), P. 25	12.23. CONNECTOR COMPOSITES (4003), P. 23	138 420
12.26. CONNECTOR COMPOSITE (4014/1700), P. 26	12.24. CONNECTOR COMPOSITE (4004), (4007), (4006), P. 24	139
12.27. CONNECTOR COMPOSITES (4015), (4017), (4018), (4019), (4020), (4021), (4022), (4023), P. 27		
27		
12.28. CONNECTOR COMPOSITES (4024), (4030), (4031), (4032), (4033), (4040), (4041), P. 28		
28		142
12.29. CONNECTOR COMPOSITES (4087), (4098), (4070), (4071), P. 29		1/2
12.30. CONNECTOR COMPOSITE (4103), P. 30	12 20 CONNECTOR COMPOSITES (4087) (4088) (4070) (4071) P 20	143 1 <i>11</i>
12.32. CONNECTOR COMPOSITES (4305), (4410), (4410B), (4410C), (4410D), (4410E), (4410H), (4410M), (4411), P. 32	12.30 CONNECTOR COMPOSITE (4103) P 30	147 145
12.32. CONNECTOR COMPOSITES (4305), (4410), (4410B), (4410C), (4410D), (4410E), (4410H), (4410M), (4411), P. 32	12.31 CONNECTOR COMPOSITES (4105) (4111) (4120) (4301) P.31	146
(4410M), (4411), P. 32	12.32 CONNECTOR COMPOSITES (4305) (4410) (4410B) (4410C) (4410D) (4410E) (4410H)	1
(4460), P. 33	(4410M) (4411) P 32	<i>)</i> ; 1⊿7
(4460), P. 33	12.33 CONNECTOR COMPOSITES (4411A) (4411B) (4412) (4415) (4450) (4450A) (4460A)	
12.35. CONNECTOR COMPOSITES (4810), (4820), (4830), (4840), (4850), (4900), P. 35	(4460). P. 33.	148
12.35. CONNECTOR COMPOSITES (4810), (4820), (4830), (4840), (4850), (4900), P. 35	12.34. CONNECTOR COMPOSITE (4705), P. 34.	149
12.36. CONNECTOR COMPOSITES (4910), (4950), (4951), (4900), P. 36	12.35. CONNECTOR COMPOSITES (4810), (4820), (4830), (4840), (4850), (4900), P. 35	150
12.37. CONNECTOR COMPOSITES (6007), (6011), P. 37		
12.38. CONNECTOR COMPOSITES (6013M), (6014), P. 38		
12.39. CONNECTOR COMPOSITES (6015), (6020), (6021), P. 39	12.38. CONNECTOR COMPOSITES (6013M), (6014). P. 38.	153
12.40. CONNECTOR COMPOSITES (6200), (6316), (6323), (6332), (6333), (6334), (6400), (6401),	12.39. CONNECTOR COMPOSITES (6015), (6020), (6021), P. 39.	154
	12.40. CONNECTOR COMPOSITES (6200), (6316), (6323), (6332), (6333), (6334), (6400), (6401)).
12.41 CONNECTOR COMPOSITES (6550) (6703) (6704) (7103) (7104) (7104A) P.41 156		
12.41. GOINNEGTON GOINE GOILEG (6666), (6766), (7766), (7764), (7764), (7764), (7764), (7764), (7764), (7764)	12.41. CONNECTOR COMPOSITES (6550), (6703), (6704), (7103), (7104), (7104A), P. 41	156

12.42.	CONNECTOR	COMPOSITES	(7200), (7202)	, (7203), I	P. 42		157
12.43.	CONNECTOR	COMPOSITES	(7204), (7205)	, (7206), I	P. 43		158
12.44.	CONNECTOR	COMPOSITES	(7211), (7212)	, (7213), (7300), (7301)	, P. 44	159
						, (7502), (7600), (¹	
45							160
12.46.	CONNECTOR	COMPOSITES	(7603), (7604)), (7605),	(7606), (7607)	, (7608), (7609), (7610),
		46					
				, (7900), ((7901), P. 47		162
12.48.	CONNECTOR	COMPOSITES	(7905), (7906)	, (8000), (8001), (8102)	, (8150), (8151), (8	8200), P.
48							163
12.49.	CONNECTOR	COMPOSITES	(8201), (8301)), (8310),	(8311), (8312)	, (8400), (8500), (8501),
		P. 49					164
				A), (8505)	, (8506), (850	7), (8508), (8509),	(8600),
		50	• • •				165
12.5 ¹ .	CONNECTOR	COMPOSITES	(8700), (8701)	, (8800), ((8801), (8802)	, (8803), P. 51	166
), (9254), (9255),	
							167
12.53.	CONNECTOR	COMPOSITES	(9260), (9261), (9262),	(9263), (9264)), (9265), (9303A)	, P.
							168
12.54.	CONNECTOR	COMPOSITES	(9404), (9405)	, (9501), ((9502), (9503)	, (9504), (9505), (9506), P.
54							169
12.55.	CONNECTOR	COMPOSITES	(9507), (9508)), (9509),	(9510), (9511)	, (9512), (9513), (9514),
(95	515), P. 55						170
12.56.	CONNECTOR	COMPOSITES	(9516), (9517)	, (9518), ((9519), P. 56		171
12.58.	CONNECTOR	COMPOSITE (9	9700), P. 58				173
12.59.	CONNECTOR	COMPOSITES	(9715), (9715)	A), (9715E	3), P. 59		174
12.60.	CONNECTOR	COMPOSITES	(9716), (9716)	A), (9716E	3), P. 60		175
12.61.	CONNECTOR	COMPOSITES	(9717), (9717)	A), (9717E	B), P. 61		176
12.62.	CONNECTOR	COMPOSITES	(9718), (9719)	, (9720), (9733), (9734)	, (9736), (9762), (9763), P.
62							177
12.63.	CONNECTOR	COMPOSITES	(9777), (9800)	, P. 63			
						, (9815), (9850), (

3200, 4200	0, 4300, 4400, 7300, 74 2002 and After –	400, 7500, 7600, 8500, 86 – ELECTRICAL CIRCUIT	600 SERIES Built October 1, DIAGRAMS

1. INSTRUCTIONS AND CHARTS (CHAPTER 1)

1.1. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 1

INTERNAT	IONAL TRUC	K AND ENGINE	CORPORATION	ELECTE	RICAL CIRCUIT [DIAGRAM	CHAPTER 1	
TO BE USED	IN ANY WAY I		BASIS AND IS NOT THE INTEREST OF ORATION.		ATIONAL CIRCU FICATIOIN AND I			
			PREFIX [DESIGNATION	ONS			
		PREFIX	LOCATIO	DN]	
		А	Cab-instrument Panel	Module				
		В	Cab-Driver Control Mo	dule				
		С	Cab-Header/Clearance	Lights				
		D	Cab-Roof/Rear Panel					
		Е	Cab-Left Door/Doors					
		F	Cab-Right Door/Doors					
		Н	Cab-Sleeper				ļ	
		J	Cab-Dash(outside)				l	
		К	Engine/Radiator					
		L	Transmission					
		М	Chassis/Front End (Cal	b Dash Pan	el Forward)			
		N	Chassis/Center Section	(Cab Dash	Panel to Cab RF	R Xmbr)		
		P	Chassis/Wheel Base S				ļ	
		R	Chassis/Suspension/Re					
		S	Chassis/AF Section/Sto	op/Tail/Turn	Lights]	
			CIRCUIT NUMBER	AND IDENT	TIFICATIONS			
	CIRCUIT NUMBER	COLOR	DESCRIPTION					
	1	LTBL	ALTERNATOR - FIELD)				
	2	RD	ALTERNATOR - CHAR	RGE				
	3	DKBL GY	1708 DATA LINK, SWI 1708 DATA LINK, SWI					
	4		SERIAL/DATA COMMI	UNICATION	I J1922			
	5	YL GN	DRIVE TRAIN J1939 D					
	6	GY	LOW VOLTAGE ELEC	TRONIC FE	ED (< 9 VOLTS))		
	7	RD	ALTERNATOR - RESI	STANCE				
	8							
CHK DATE		CHANGE	REV REFERENCE DRA		NAME 42/43/44/85/86	SOO & 72/74/750	CIRC DIAGRAMS	
PEC 16JAN	1 PRODUC	TION RELEASE.	A P54304U RELE	DLCK EASE NO.	DATE	PART NO.	J GIRC DIAGRAMS	SHEET
	1		P527	78H	09AUG00	AE08-52365		01

Figure 1 Circuit Number Identification and Location Chart

1.2. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 2

INT	ERNATIC	NAL TRUCK	AND ENGINE	COR	RPORATION	ELECT	RICAL CIRCUIT [DIAGRAM	CHAPTER 1		
TO	BE USED I	N ANY WAY DE	N A RESTRICTE ETRIMENTAL TO D ENGINE CORF	THE I	INTEREST OF		IATIONAL CIRCL FICATION AND L		NT.)		
				CIR	CUIT NUMBER	AND IDENTIFICA	TIONS (CONT.)				
		CIRCUIT NUMBER	COLOR		DESCRIPT	ION				\neg	
	Ī	9	GY		ZERO VOL	ΓREFERENCE (2	ZVR)				
		10	WH		CHASSIS/E	NGINE GROUND)				
		11	WH		CAB/SLEEPER GROUND						
		12	LTBL		ACCESSORY FEED						
		13	PK BK		IGNITION FEED IGNITION FEED (BODY BUILDER CONNECTOR)						
	Ī	14	RD		BATTERY F	EED					
	Ī	15	RD		KEY SWITC	CH FEED					
		16									
		17	PK		STARTER (CONTROL					
		18	PK		GLOW PLU	G/PRE-HEATER					
		19	GY		ENGINE SI	HUTDOWN					
		20	LTGN		REMOTE P	OWER MODULE					
		21	TN		COLD STAI	RT CONTROLS (E	ETHER)				
		22									
		23	TN		ENGINE FA	AN/SHUTTERS					
		24	GY		ENGINE EX	(HAUST BRAKE					
		25	TN		PYROMET	ER					
		26	TN		AMMETER						
	L	27	TN		VOLTMETE	ER					
		28	TN		INSTRUME	NTS AND GAUGE	ES				
		29	TN		ENGINE W	ATER TEMPERAT	TURE			_	
	L	30	TN		ENGINE OI	L TEMPERATURI	E				
	L	31	TN		TRANSMIS	SION OIL TEMPE	RATURE			_	
		32	TN		AXLE OIL 1	TEMPERATURE					
CHK	DATE	CH	HANGE	REV	REFERENCE	DRAWN	NAME				
PEC	16JAN01	PRODUCTI	ON RELEASE.	Α	P54304U	U00JXP9 RELEASE NO.	DATE	PART NO.	00 CIRC DIAGRAMS	SHEET	
	P52778H 09AUG00					09AUG00	AE08-52365		02		

Figure 2 Circuit Number Identification and Location Chart (Cont.)

1.3. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 3

INTERNAT	TIONAL TRUCK	AND ENGINE O	CORPORATION ELECTRICAL CIRCUIT DIAGRAM CHAPTER 1	
TO BE USEI	D IN ANY WAY DE		BASIS AND IS NOT HE INTEREST OF INTERNATIONAL CIRCUIT NUMBER RATION. IDENTIFICATION AND LOCATION (CONT.)	
			CIRCUIT NUMBER AND IDENTIFICATIONS (CONT.)	
	CIRCUIT NUMBER	COLOR	DESCRIPTION	
	33	TN	ENGINE OIL LEVEL	
	34	TN	COOLANT LEVEL	
	35	TN	ENGINE OIL PRESSURE	
	36	TN	FUEL LEVEL	
	37	TN	FUEL PUMP	
	38			
	39	GY	AIR DRYER HEATER	
	40	GY	LOW AIR PRESSURE WARNING	
	41	TN	AIR TEMPERATURE	
	42	GY	FRONT AXLE ENGAGED	
	43	GY	POWER DIVIDER LOCK (PDL) WARNING	
	44	GY	PARK BRAKE WARNING	
	45	LTGN	ANTI - THEFT WARNING	
	46	GY	POWER TAKE - OFF WARNING	
	47	GY	SPEEDOMETER	
	48	GY	TACHOMETER	
	49	GY	DIFFERENTIAL LOCK WARNING	
	50	YL	LIGHT SWITCH FEED	
	51	YL	DIMMER SWITCH FEED	
	52	YL	HEADLIGHT HI - BEAM	
	53	YL	HEADLIGHT LO - BEAM	
	54	BN	PARKING/MARKER LIGHTS	
	55	OR	TURN SIGNAL - FEED	
	56	OR	TURN SIGNAL LIGHTS - LEFT	
		YL	TURN SIGNAL LIGHTS - LEFT (BODY BUILDER CONNECTION)	
	57	OR LT CN	TURN SIGNAL LIGHTS - RIGHT	
CHK DAT	E I CI	LT GN HANGE	TURN SIGNAL LIGHTS - RIGHT (BODY BUILDER CONNECTION) REV REFERENCE DRAWN NAME	
PEC 16JAN		ION RELEASE.	U00DLCK 42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	SHEET
			P52778H 15 MAY 00 AE08-52365	03

Figure 3 Circuit Number Identification and Location Chart (Cont.)

1.4. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 4

THIS	S PRINT I	ONAL TRUCK S PROVIDED ON IN ANY WAY DE NAL TRUCK AND	I A RESTRICTEI TRIMENTAL TO	BASI THE I	S AND IS NOT NTEREST OF	INTERN	RICAL CIRCUIT I	IT NUMBER	CHAPTER 1			
				C	CIRCUIT NUMBE	R AND IDENTIFI	CATIONS (CONT	.)				
		CIRCUIT NUMBER	COLOR		DESCRIPTION	ON						
		58	BN		CLEARANC	E/IDENTIFICATI	ON LIGHTS					
		59	GY		SOLENOID							
		60	OR		HAZARD LIC	SHTS						
		61	GY		AIR SUSPE	AIR SUSPENSION						
		62	DKBL		PANEL LIGH	PANEL LIGHTS						
		63	DKBL		COURTESY/DOME LIGHTS							
		64	YL		FOG/DRIVIN	FOG/DRIVING LIGHTS						
		65	OR		CAB REAR	FLOOD LIGHT						
		66	YL		DAYTIME R	UNNING LIGHT	S					
		67								\Box		
		68	BN		TAIL LIGHT	S						
		69	BN		LICENSE PI	ATE LIGHT						
		70	OR RD		STOP LIGHT		DER CONNECTIO	ıN)				
		71	OR LTBL		BACK - UP L		BUILDER CONNE	CTION)				
	Ī	72	OR		TRAILER AL	JXILIARY FEED	- BATTERY			\neg		
	Ī	73	LTGN		PWM					\neg		
	Ī	74	LTGN		HEATER RE	CIRC MOTOR						
	Ī	75	LTGN		HEATER BL	OWER MOTOR						
	Ī	76	LTGN		AUXILIARY	FAN						
	ľ	77	LTGN		AIR CONDIT	TIONER						
	Ì	78	LTGN		MIRRORS -	HEATED; MOTO	RIZED					
	ľ	79	GY		SEAT BELTS	3				\neg		
	ľ	80	BK	T	SLEEPER B	OX RELAY - FE	ED			\neg		
	ľ	81	LTGN		POWER DO	OR LOCKS				\Box		
										_ 		
CHK	DATE	+	IANGE	REV	REFERENCE	DRAWN U00DLCK	NAME 42/43/44/85/86	600 & 73/74/75	00 CIRC DIAGRAMS			
PEC	16JAN0	1 PRODUCTION	ON RELEASE.	Α	P54304U	RELEASE NO. P52778H	DATE 15MAY00	PART NO. AE08-52365		SHEET 04		

Figure 4 Circuit Number Identification and Location Chart (Cont.)

1.5. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 5

NTERNATIONAL		TRIMENTAL TO	D BASIS AND IS NOT	
		ENGINE CORF	THE INTEREST OF PORATION.	INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCTION (CONT.)
			CIRCUIT NUMBER AND	DIDENTIFICATIONS (CONT.)
	CIRCUIT IUMBER	COLOR	DESCRIPTION	
	82	GY	WINDSHIELD WIP	PER
	83	LTGN	POWER WINDOW	ws
	84	LTGN	CIGAR LIGHTER	
	85	GY	HORN	_
	86	LTGN	RADIO - ENTERT	TAINMENT/CLOCK
	87	GY	WINDSHIELD WAS	ASHER
	88	LTGN	CLOCK/HOURME	ETER
	89	VT	AIR BAG	
	90	GY	HYDRAULIC BRA	AKE PUMP
	91	VT	INTERCOMMUNI	ICATIONS
	92	TN	TRANSMISSION	CONTROLS - ELECTRONIC
	93	TN	AXLE SHIFT CON	NTROL
	94	GY	ANTILOCK BRAK	KE SYSTEM
	95	TN	EXHAUST EMISS	SION
	96	YL	SNOW PLOW LIG	GHTS/CRUISE CONTROL
	97	VT	ENGINE CONTRO	OLS - ELECTRONIC
	98	BK	DATALINK AND D	DIAGNOSTICS
	99	VT	ACCELERATOR F	POSITION SENSOR (APS)
	100		AIR HORN (ELEC	CTRIC SOLENOID ACTUATED)
	101		BRAKE APPLICA	ATION AIR
	102		FLASH TO PASS	3

Figure 5 Circuit Number Identification and Location Chart (Cont.)

1.6. NAVPAK/ECM I6 ENGINE CONTROLLER CONNECTOR PIN NUMBER IDENTIFICATION, P. 6

BE U	JSED IN ANY \	DED ON A RESTRICTED BASIS AND IS NOT WAY DETRIMENTAL TO THE INTEREST OF CK AND ENGINE CORPORATION.		INTERNATIONAL NAVPAK/ECM I6 ENGINE CONTROLLER CONNECTOR PIN NUMBER IDENTIFICATION					
ECM PIN #	TERM	RM DESCRIPTION			TERM	DESCRIPTION			
12	AAT	AMBIENT AIR TEMP. SENSOR	ヿ	27	PIN # DESCRIPTION 27 IVS IDLE VALIDATION SWITCH				
33	ACD	A/C DEMAND	T	54	OWL	OIL/WATER WARNING LIGHT			
8	APS	ACCELERATOR POS. SENSOR	T	25 PWR RLY CEC MAIN POWER RELAY SIGNAL		CEC MAIN POWER RELAY SIGNAL			
16	ATA(+)	J1708 DATALINK (+)	T	31	RAS	RESUME/ACCELERATE			
7	ATA(-)	J1708 DATALINK (-)	T	37	RPRF	PRESET SPEED			
29	BAP	BAROMETRIC AIR PRESS. SENSOR	T	30	RPS REMOTE ACCELERATOR POS. SEN				
13	BN01	BRAKE STATUS #1	T	6	RPS_RTN REMOTE ACCELERATOR POS. SEI				
4	BN02	BRAKE STATUS #2	T	36	36 RVAR VARIBLE SPEED SWITCH				
8	CAN SHLD	DRIVETRAIN J1939 DATALINK SHLD	T	32	scs	SET/COAST			
9	CAN(+)	DRIVETRAIN J1939 DATALINK (+)	T	45	SIL	SERVICE INTERVAL LIGHT			
20	CAN(-)	DRIVETRAIN J1939 DATALINK (-)	T	34	STI	SELF TEST INPUT			
5	CBE_SEL1	RETARDER/EXHAUST BRAKE REQUEST	T	48	SUL	SHIFT UP LIGHT			
0	CLS	COOLANT LEVEL SENSOR		59	TACA	TACHOMETER A			
35	COD	CRUISE ON/OFF	7	60	TACB	TACHOMETER B			
21	DC (+)	POWER	ヿ	38	TCSS	TORQUE CURVE SELECTION INPUT			
22	DC (+)	POWER	T	28	TSA	TWO SPEED AXLE			
1	DC (-)	GROUND	T	3	VBREF(5V)	ACCELERATOR SENSOR SUPPLY			
2	DC (-)	GROUND	T	11	VBREF GND	ACCELERATOR SENSOR GROUND			
26	DDS	DRIVELINE DISENGAUGED INPUT	T	5	VCREF(5V)	REMOTE ACCELERATOR SENS. SUPPLY			
2	DPS	GROUND	ヿ	7	VCREF GND	REMOTE ACCELERATOR SENSOR GND			
6	ECI	ENGINE CRANK INHIBIT	T	24	VIGN	IGNITION FEED			
i6	EDL	TRANSMISSION KICKDOWN		47	VRE	RETARDER/EXHAUST BRAKE ENABLE			
53	GPL	GLOW PLUG LIGHT			VSS(+)	VEHICLE SPEED SENSOR (+)			
4	HGE	HYD. PRESS GOVERNOR ENABLE		40	VSS(-)	VEHICLE SPEED SENSOR (-)			
19	HMI	HYDRAULIC PRESS GOVERNOR IND. LT		58	VSSCALA	SPEEDOMETER SIGNAL A			
3	HPS	HYDRAULIC PRESSURE SENSOR			VSSCALB	SPEEDOMETER SIGNAL B			
И	HSO (+)	HSO (+) POWER			WARN	ENGINE WARNING LIGHT			
:3	HSO (-)	GROUND	7						
+	DATE	LIC TO THE PARTY OF THE PARTY O	RAWI		NAME 42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS				
16.	JAN01 PRO	DDUCTION RELEASE. A P54304U RE	LEA	SE NO.	DATE 09AUG00	PART NO. SHEET AE08-52365 06			

Figure 6 NAVPAK/ECM I6 Engine Controller Connector Pin Number Identification

1.7. CIRCUIT DIAGRAM INSTRUCTIONS, P. 7

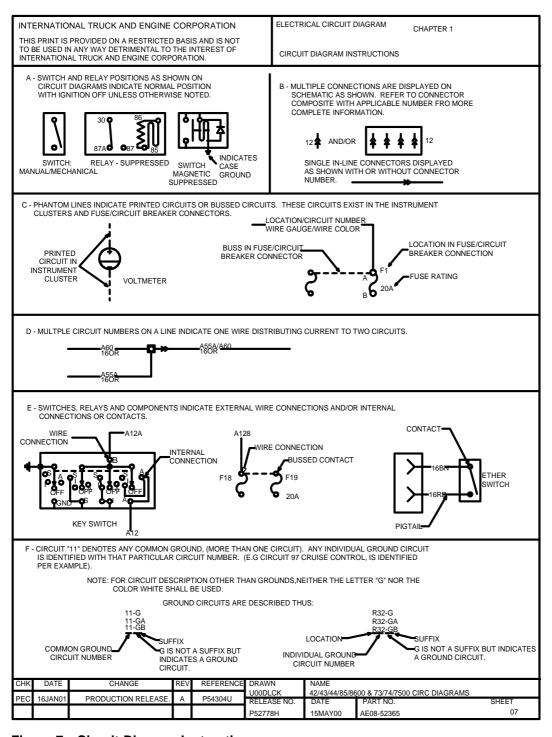


Figure 7 Circuit Diagram Instructions

1.8. CIRCUIT DIAGRAM INSTRUCTIONS, P. 8

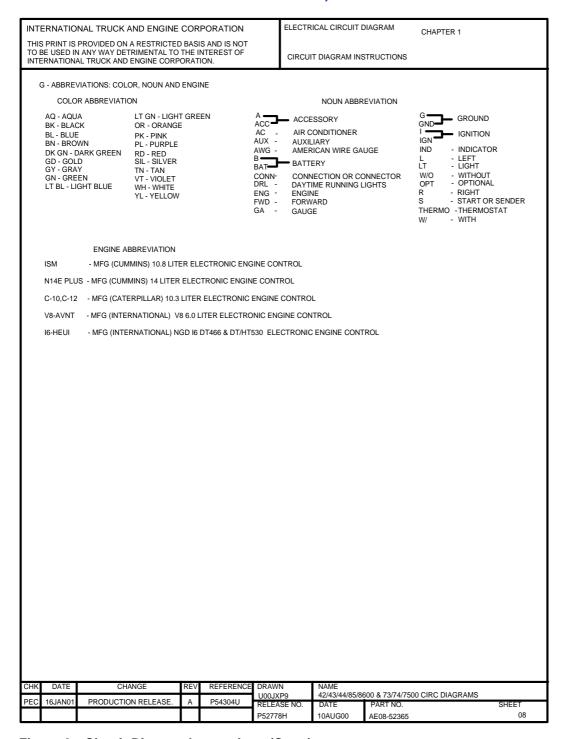


Figure 8 Circuit Diagram Instructions (Cont.)

1.9. SCHEMATIC SYMBOL CHART, P. 9

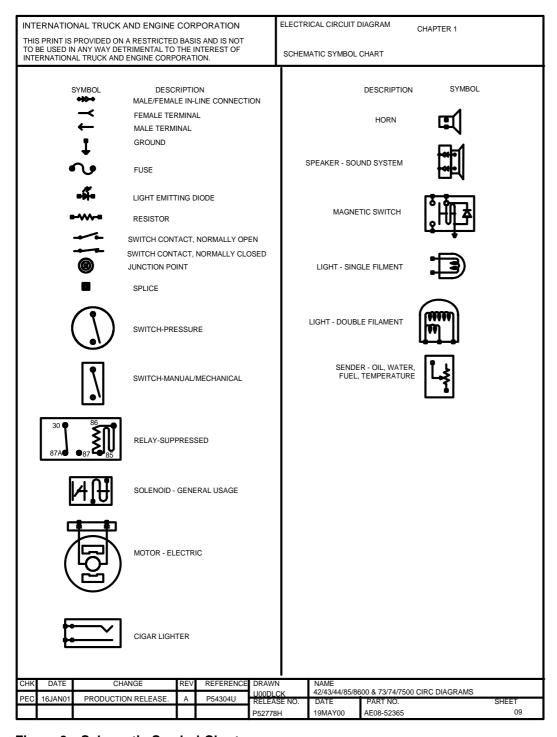


Figure 9 Schematic Symbol Chart

1.10. RELAY FUNCTIONS, P. 10

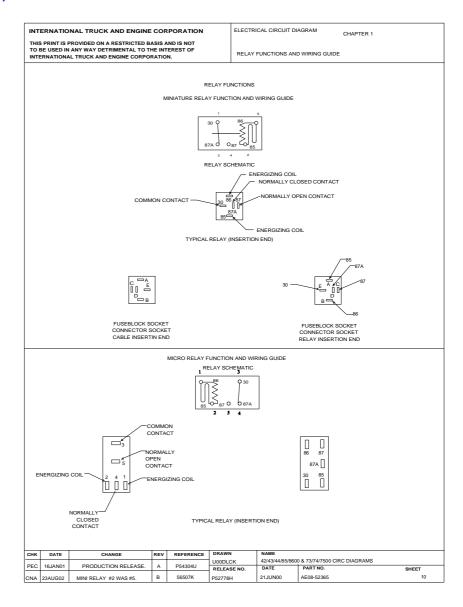


Figure 10 Relay Functions

1.11. LAMP BULB CHART, P. 11

NTERNATI	IONAL TRUCK AND ENGINE	COR	PORATION		ELECTE	RICAL CIRCUIT I	DIAGRAM	OLIABTEE	
	IS PROVIDED ON A RESTRICTE			-				CHAPTER	C 1
O BE USED	D IN ANY WAY DETRIMENTAL TO DNAL TRUCK AND ENGINE COR	O THE	INTEREST OF		LAMP I	BULB CHART			
	LB APPLICATION				VER OR V				B TRADE NUMBER
	K-UP LIGHTS								
CLE	ARANCE & INDENTIFICATION								
COU									
DOM	ME LIGHTS		 1	12 CAND	LEPOWE	R		GE	561
FOG	LIGHTS -			55 CAND	LEPOWE	R		VH	550
HEA	D LIGHTS:								
	LOW BEAMS			5 WATTS	· —			GES	9007
H	HIGH BEAM9			5 WATTS	· —			GES	9007
INST	TRUMENT CLUSTER:								
(GAUGE BACK LIGHT							082	S270538-3
	GAUGE WARNING LED (RE D)								
F	RANGE INHIBIT LED (YELLOW							082	S272109-4
(COLD AMBIENT PROTECTION L	ED (Y	ELLOW)					082	S272109-4
	FUEL FILTER LED (YELLOW)								
	WARN ENGINE LED (YELLOW)							082	S272109-4
9	STOP ENGINE LED (RED)							082	S272109-3
E	BRAKE PRESSURE LED (RED)							082	S272109-3
	BRAKE FLUID LED (RED)								
	WAIT TO START LED (YELLOW)								
	CHECK TRANSMISSION LED (YE	= I I O\A	Α					082	\$272109-4
	TRAILER ABS LED (YELLOW)		<u></u>					082	S272109-4
	WASHER FLUID LED (YELLOW)							082	S272109-4
	LEFT TURN SIGNAL LED (GREE								
7	TRACTION CONTROL LED (GRE	Е N)						082	S272109-2
	WATER IN FUEL LED(YELLOW)-								
	PARK FLUID LED LIGHT (RED)								
	CHECK ELECTRICAL SYSTEMS								
	PARK BRAKE LED (RED)								
	CRUISE CTRL ACTIVE LED (GRE								
	ANTILOCK BRAKING SYSTEM LE								
	RIGHT TURN LED (GREEN)	(082	S272109-2
	COOLANT LEVEL LED (RED)								
	SEAT BELT LED (RED)								
	HIGH BEAM ICON LED (BLUE)								
	CHECK AIR CONDITIONER LED								
F	RETARD OVER HEAT LED (RED)	,						082	S272109-3
	PTO/THROTTLE LED (RED)							082	S272109-3
	LIGHT - (KES)							181	
	MARKER -					•		245	
	P & TURN/TAIL & LICENSE PLAT	115							
	N SIGNAL/MARKER (FENDER)	_	`	_,0 OAN	DLEPOW			315	
	N SIGNAL & MARKER LIGHT							235	
	RK (TRAILER HOOK-UP) LIGHT							441	
HK DATE		REV	REFERENCE	DRAW	N	NAME			
C 16JANO	+	Α	P54304U	U00DL		42/43/44/85/86		500 CIRC DIA	
	1 REVISED DRWG SHEET.	В	P54634F	P52778	SE NO.	DATE	PART NO.		SHEET 11

Figure 11 Lamp Bulb Chart

1.12. NAVPAK/ECM V8-AVNT CONTROLLER CONNECTORS X3 AND X4 PIN NUMBER IDENTIFICATION, P.12

Figure 12 NAVPAK/ECM V8-AVNT Controller Connectors X3 and X4 Pin Number Identification

2. 12 VOLT POWER DISTRIBUTION CIRCUIT DIAGRAMS (CHAPTER 2)

2.1. ACCESSORY, P. 1

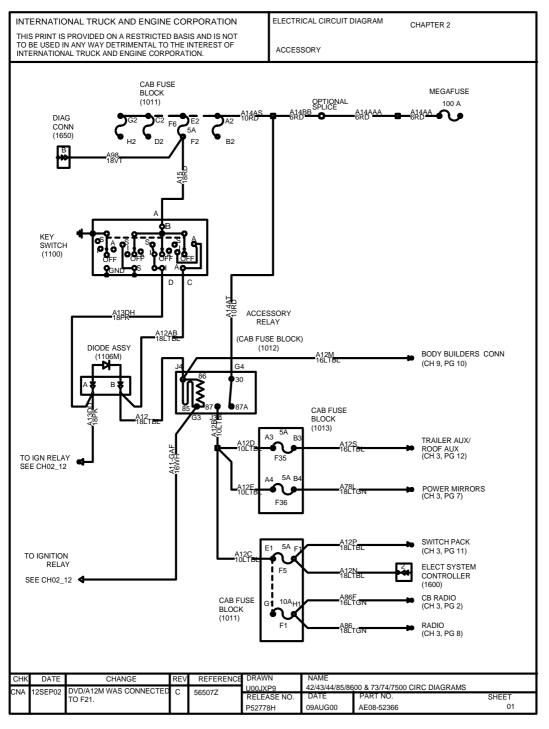


Figure 13 Accessory

2.2. BATTERY FEEDS, CAB, P. 2

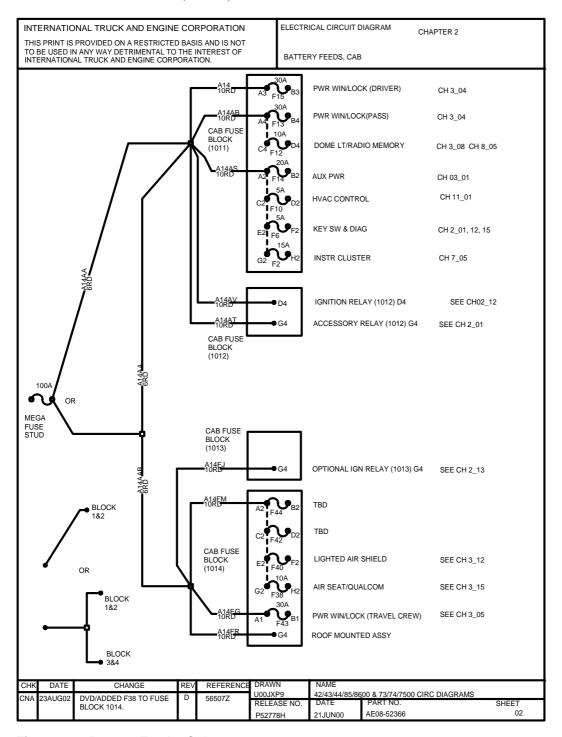


Figure 14 Battery Feeds, Cab

2.3. BATTERY, P. 3

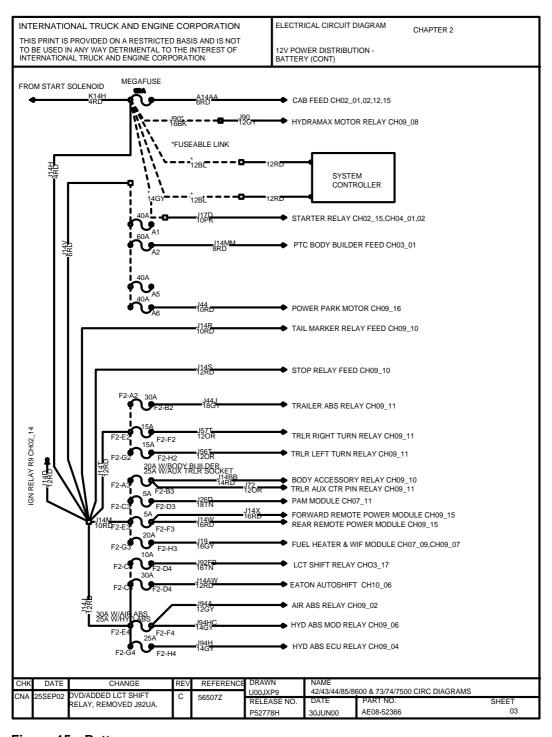


Figure 15 Battery

2.4. 1708 DATA LINK, P. 4

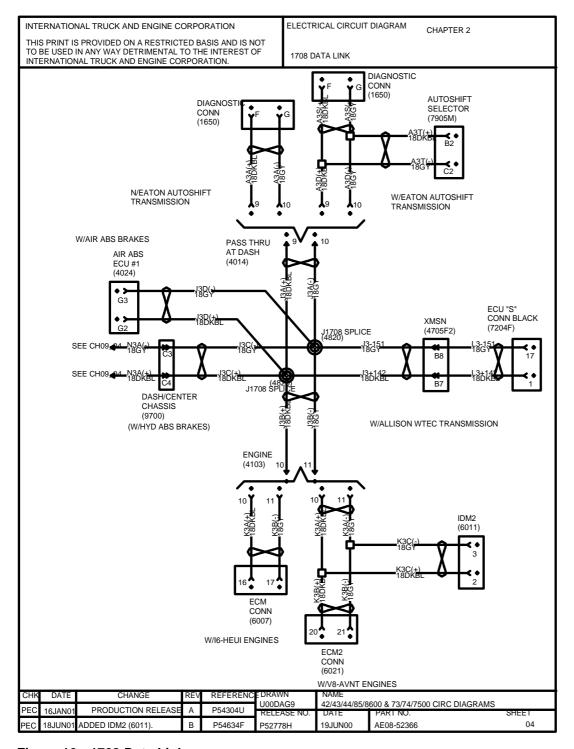


Figure 16 1708 Data Link

2.5. SWITCH DATA LINK, P. 5

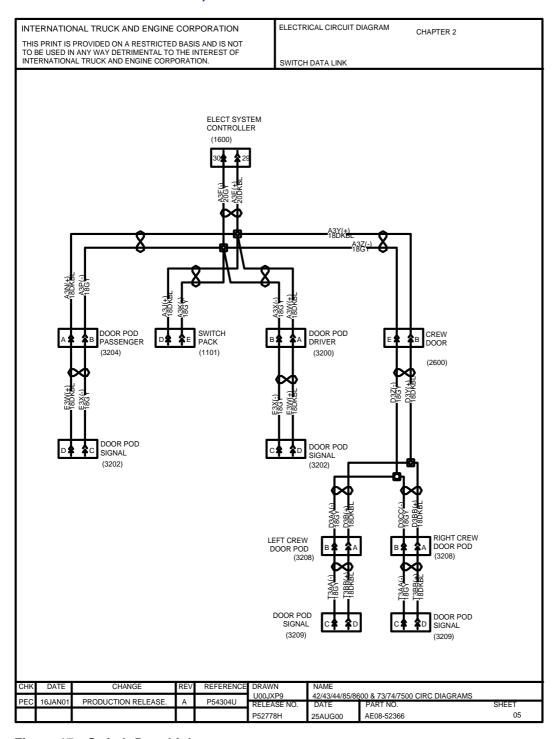


Figure 17 Switch Data Link

2.6. DRIVETRAIN 1939 DATA LINK (CAB), P. 6

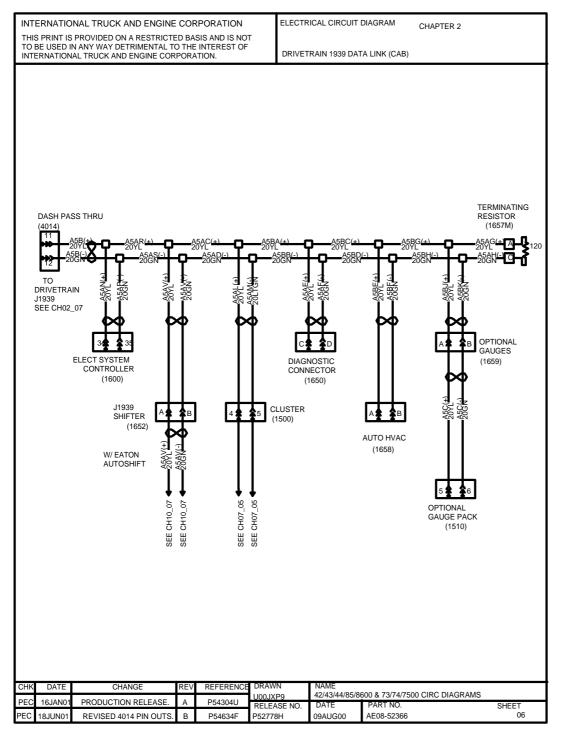


Figure 18 Drivetrain 1939 Data Link (Cab)

2.7. DRIVETRAIN 1939 DATA LINK (CHASSIS), P. 7

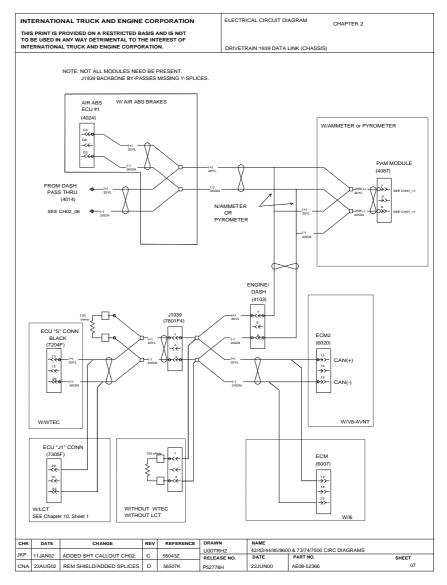


Figure 19 Drivetrain 1939 Data Link (Chassis)

2.8. GROUNDS CHASSIS, P. 8

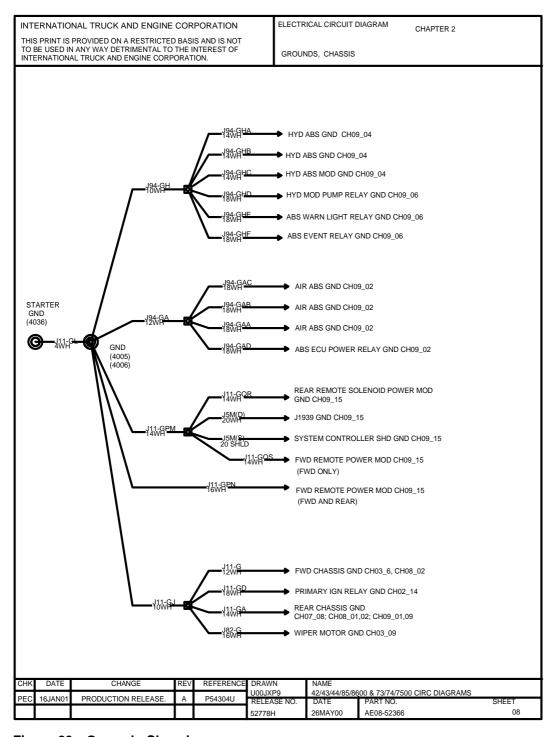


Figure 20 Grounds Chassis

2.9. GROUNDS CHASSIS, P. 9

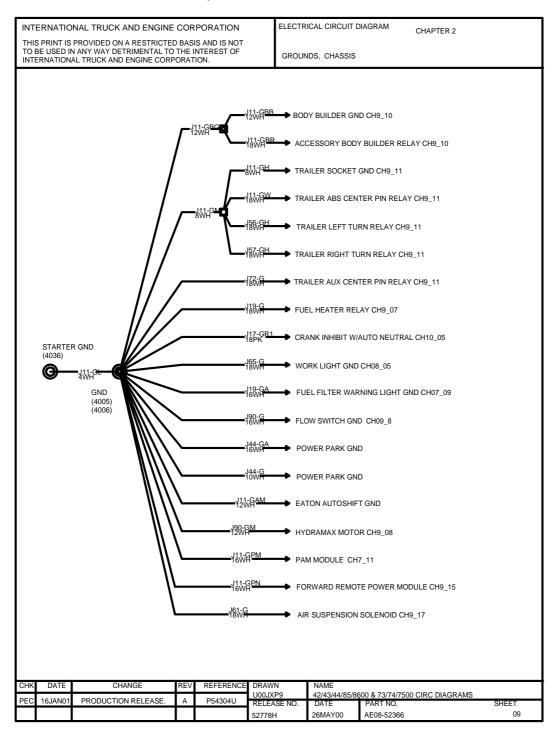


Figure 21 Grounds Chassis (Cont.)

2.10. GROUNDS IP, P. 10

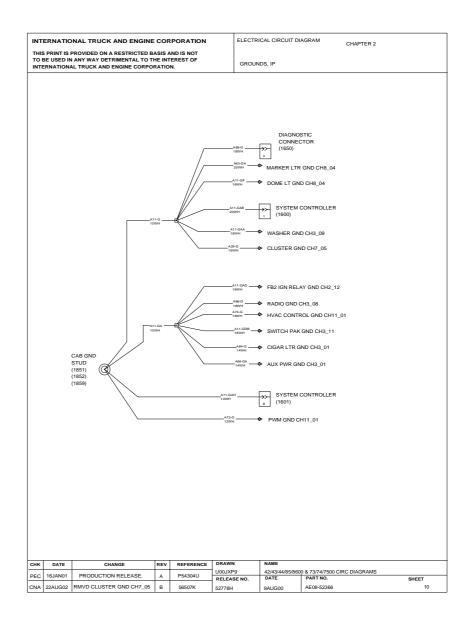


Figure 22 Grounds IP

2.11. GROUNDS IP, P. 11

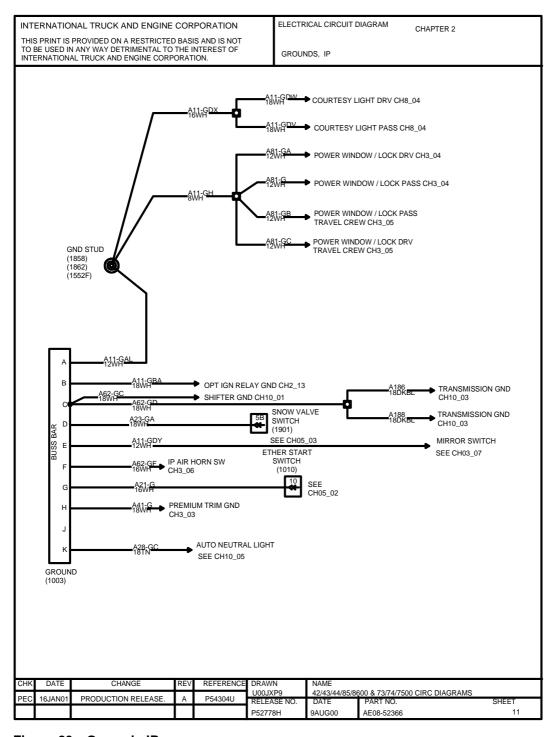


Figure 23 Grounds IP

2.12. IGNITION CAB, P. 12

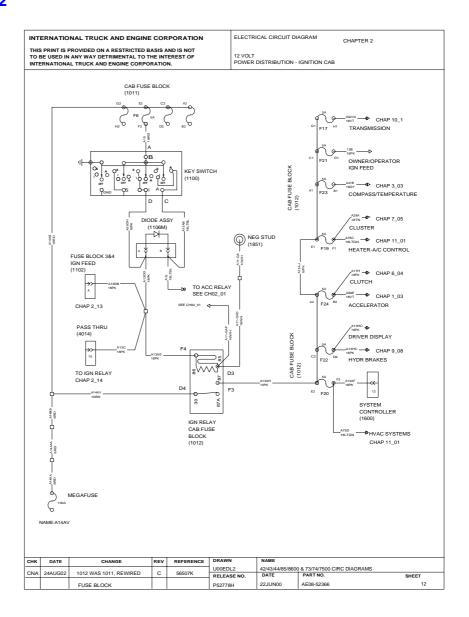


Figure 24 Ignition Cab

2.13. IGNITION CAB, P. 13

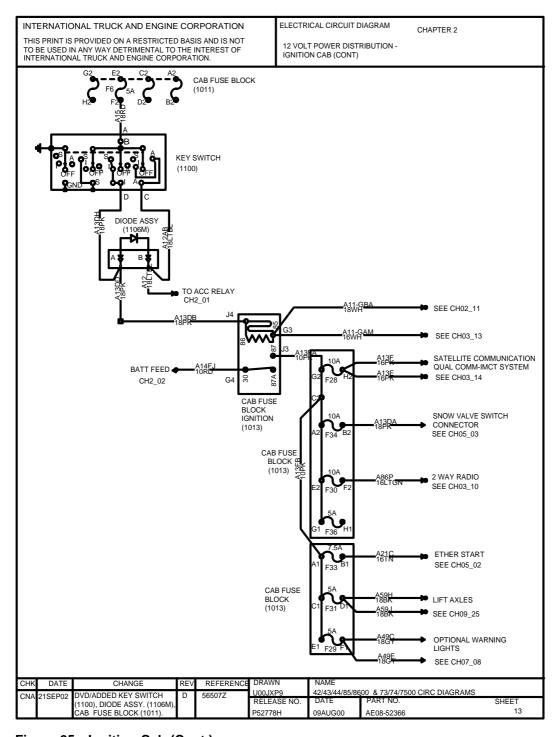


Figure 25 Ignition Cab (Cont.)

2.14. IGNITION FEEDS, CHASSIS, P. 14

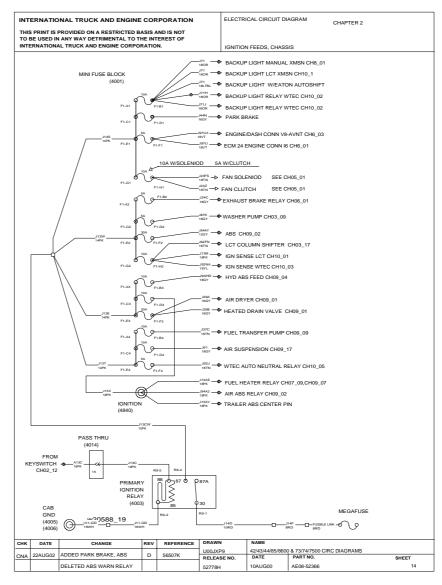


Figure 26 Ignition Feeds, Chassis

2.15. START, P. 15

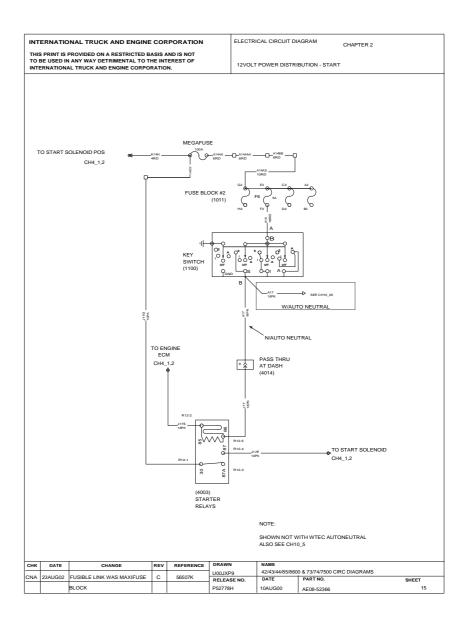


Figure 27 Start

3. CAB ACCESSORIES (CHAPTER 3)

3.1. CIGAR LIGHTER AND POWER FEEDS, P. 1

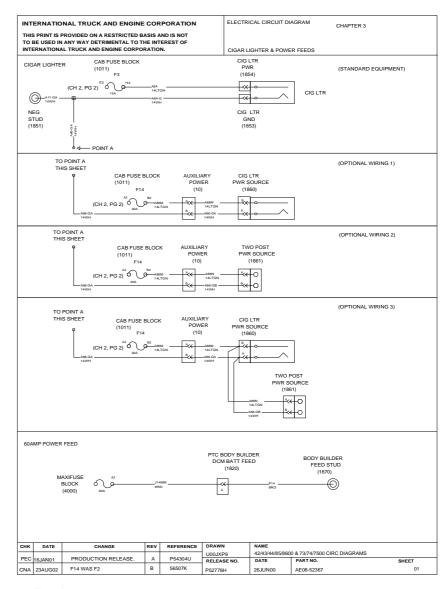


Figure 28 Cigar Lighter and Power Feeds

3.2. CB POWER, P. 2

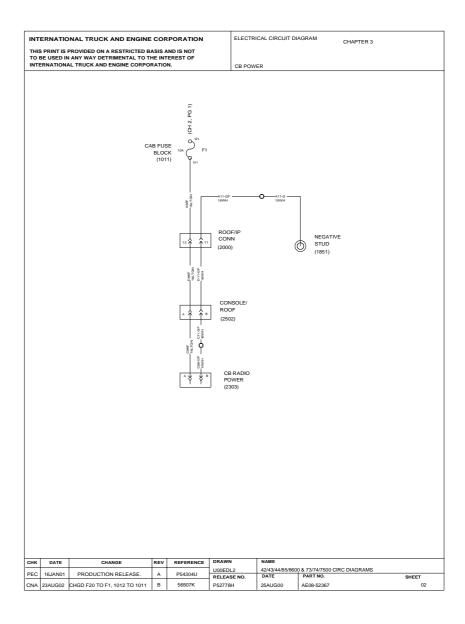


Figure 29 CB Power

3.3. COMPASS AND TEMPERATURE DISPLAY, P. 3

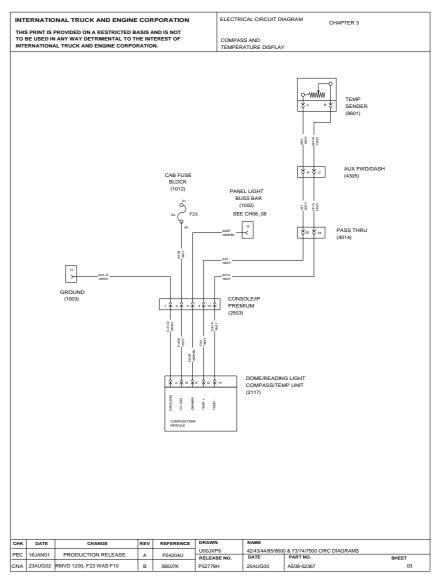


Figure 30 Compass and Temperature Display

3.4. FRONT DOORS WINDOWS AND LOCKS (POWER), P. 4

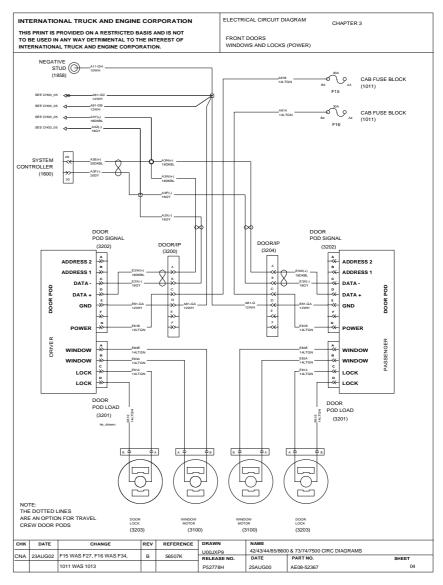


Figure 31 Front Doors Windows and Locks (Power)

3.5. CREW DOORS WINDOWS AND LOCKS (POWER), P. 5

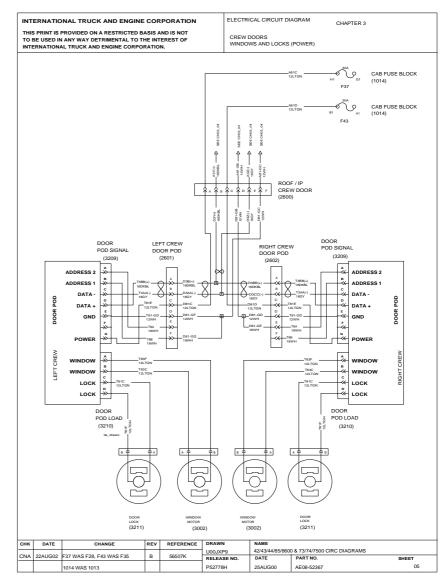


Figure 32 Crew Doors Windows and Locks (Power)

3.6. HORN, DUAL ELECTRIC, P. 6

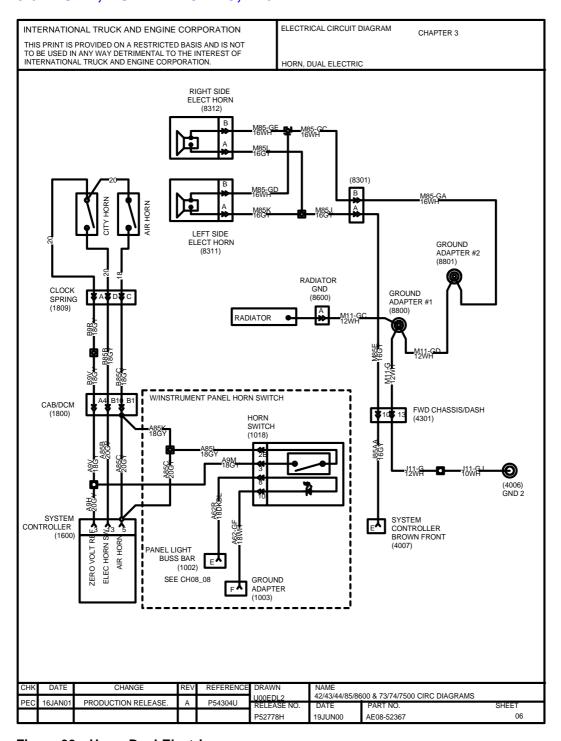


Figure 33 Horn, Dual Electric

3.7. MIRRORS (HEATED, LIGHTED AND POWER), P. 7

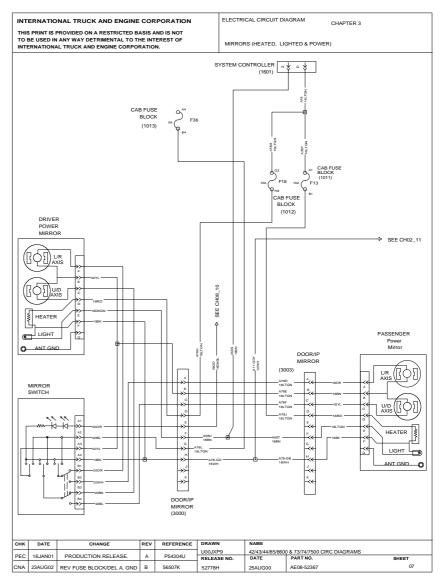


Figure 34 Mirrors (Heated, Lighted and Power)

3.8. RADIO (ENTERTAINMENT), SPEAKERS, P. 8

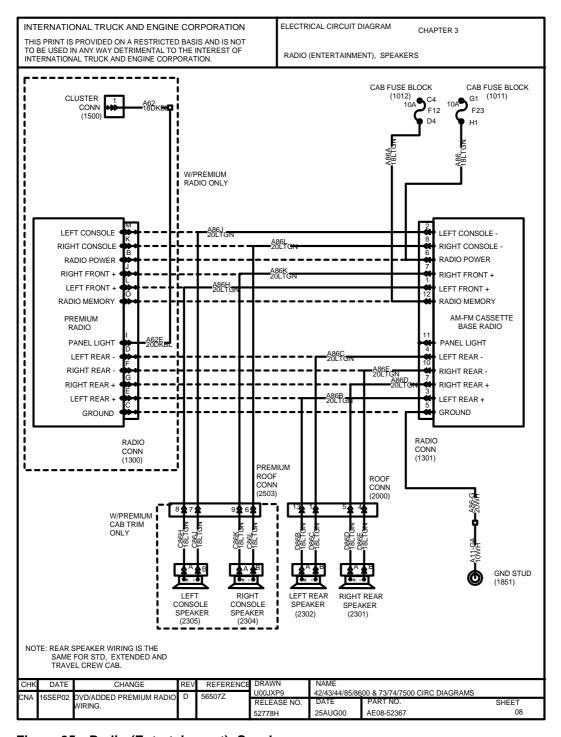


Figure 35 Radio (Entertainment), Speakers

3.9. WINDSHIELD WIPER AND WASHER PUMP, P. 9

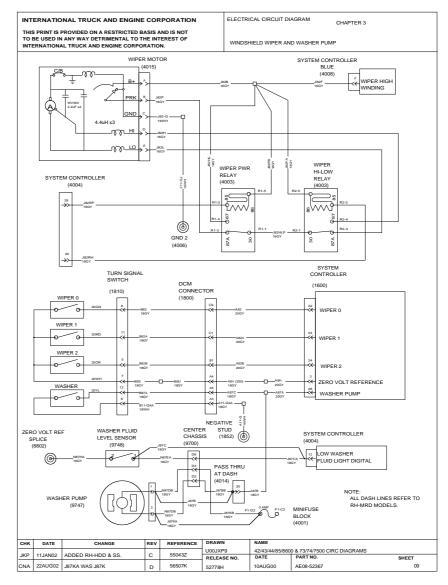


Figure 36 Windshield Wiper and Washer Pump

3.10. 2-WAY RADIO, P. 10

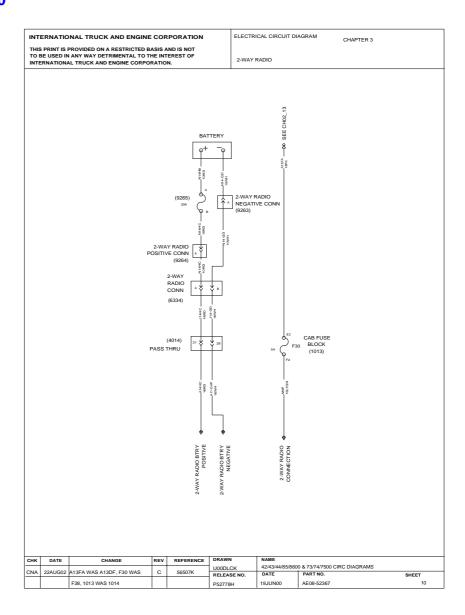


Figure 37 2-Way Radio

3.11. SWITCH PACK, OPTIONAL GAUGE PACK, P. 11

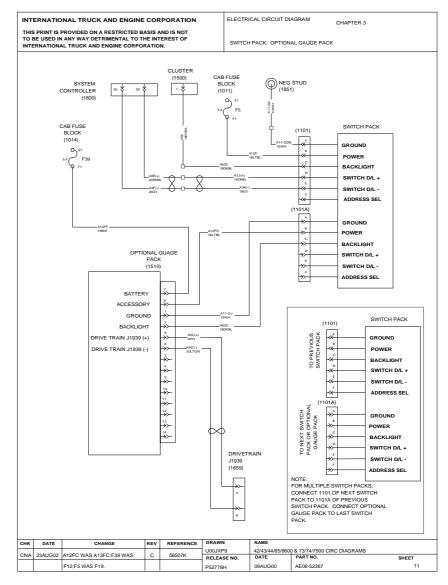


Figure 38 Switch Pack, Optional Gauge Pack

3.12. LIGHTED AIR SHIELD, P. 12

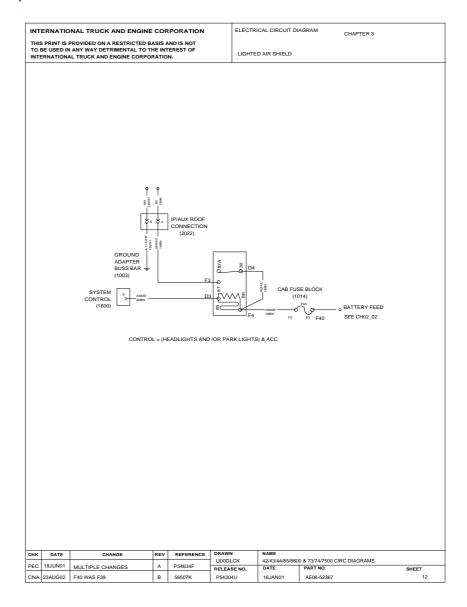


Figure 39 Lighted Air Shield

3.13. ROOF AUX. LOAD, P. 13

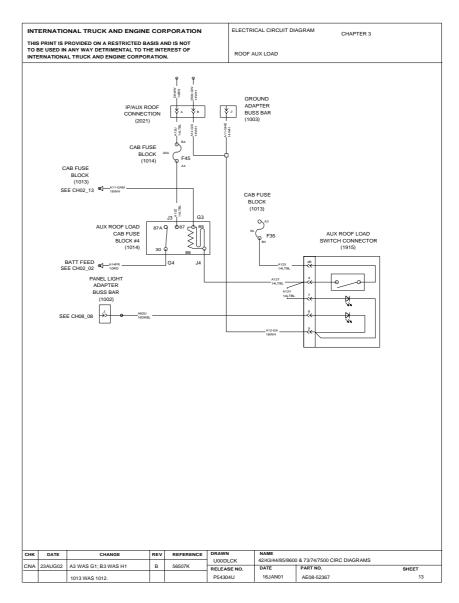


Figure 40 Roof Aux. Load

3.14. SATELLITE COMMUNICATION QUALCOMM-MCT AND IMCT SYSTEMS, P. 14

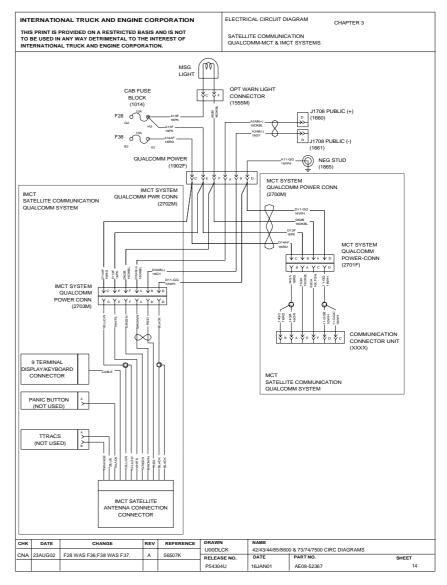


Figure 41 Satellite Communication Qualcomm-MCT and IMCT Systems

3.15. SELF CONTAINED AIR SEAT, P. 15

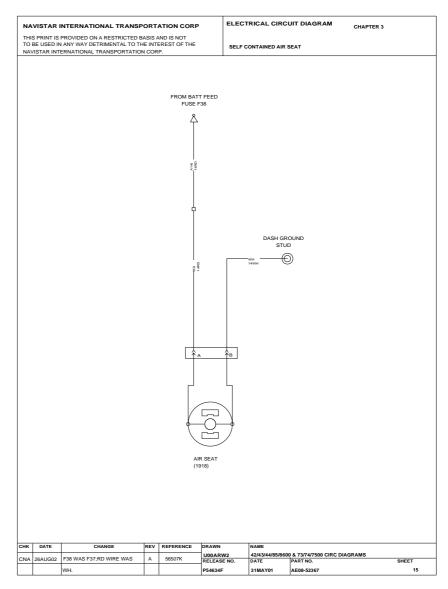


Figure 42 Self Contained Air Seat

3.16. DIGITAL CLOCK PTC, P. 16

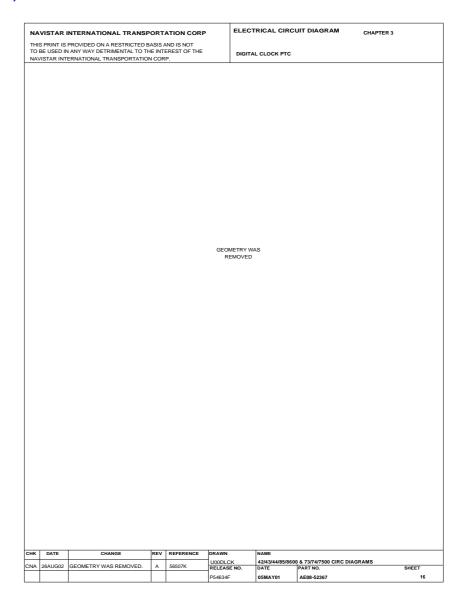


Figure 43 Digital Clock PTC

3.17. TRANSMISSION ALLISON LCT COLUMN SHIFTER, P. 17

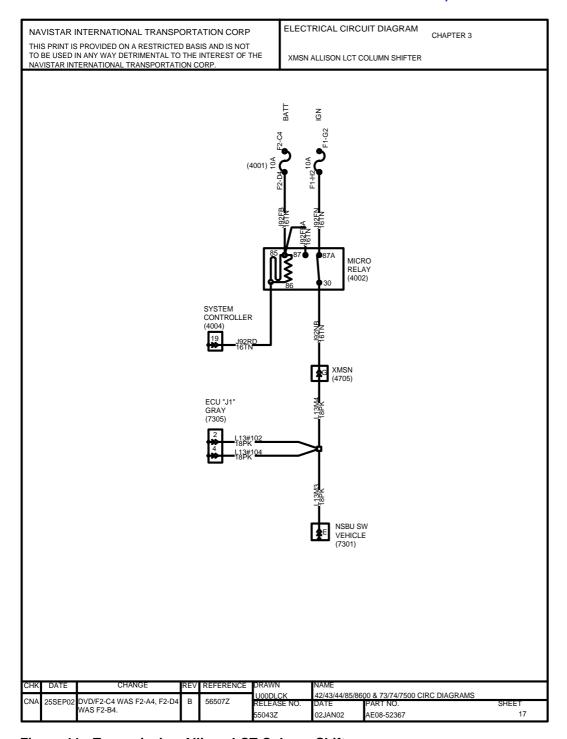


Figure 44 Transmission Allison LCT Column Shifter

4. 12V CHARGING + CRANKING SYSTEM (CHAPTER 4)

4.1. I6 HEUI ENGINES, P. 1

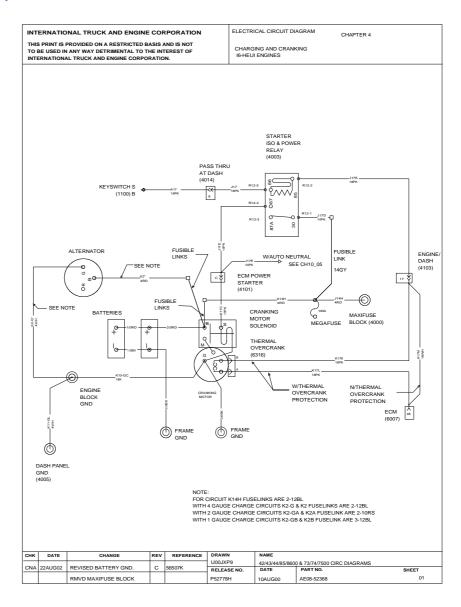


Figure 45 I6 HEUI Engines

4.2. V8 AVNT ENGINES, P. 2

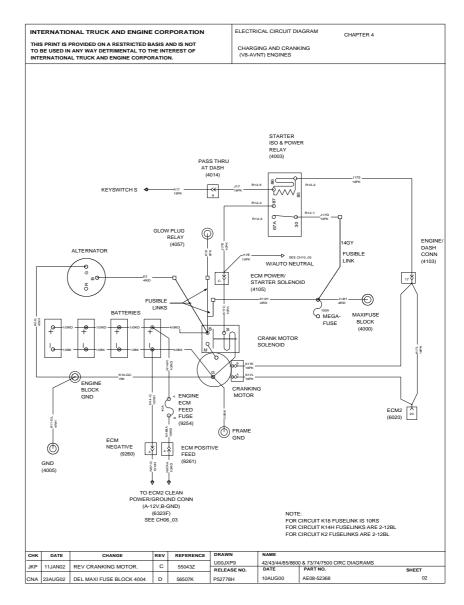


Figure 46 V8 AVNT Engines

4.3. CATERPILLAR ENGINES, P. 3

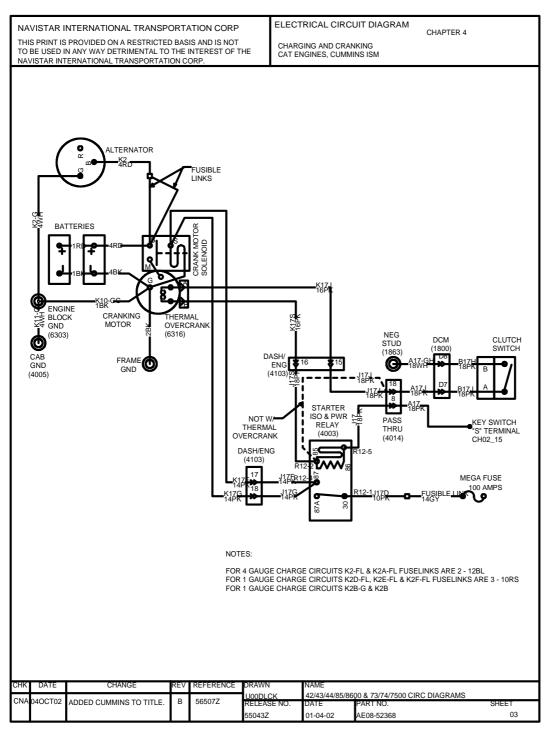


Figure 47 Caterpillar Engines

5. FANS AND ENGINE ACCESSORIES (CHAPTER 5)

5.1. FAN WIRING, P. 1

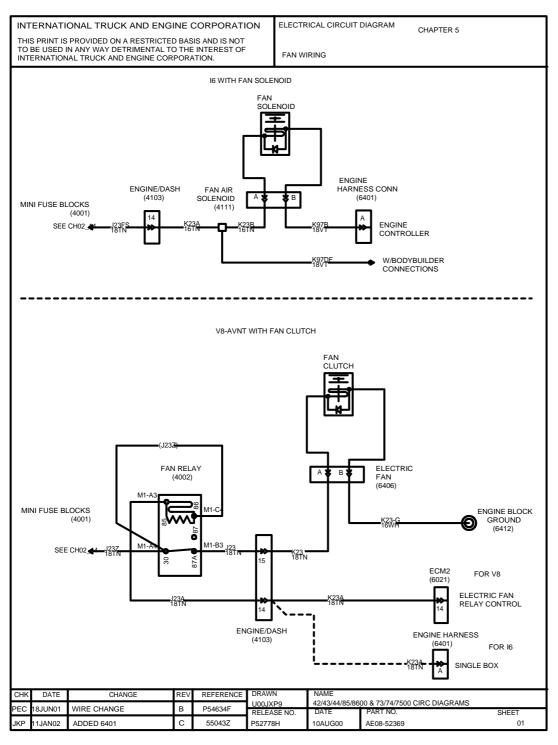


Figure 48 Fan Wiring

5.2. ETHER START, P. 2

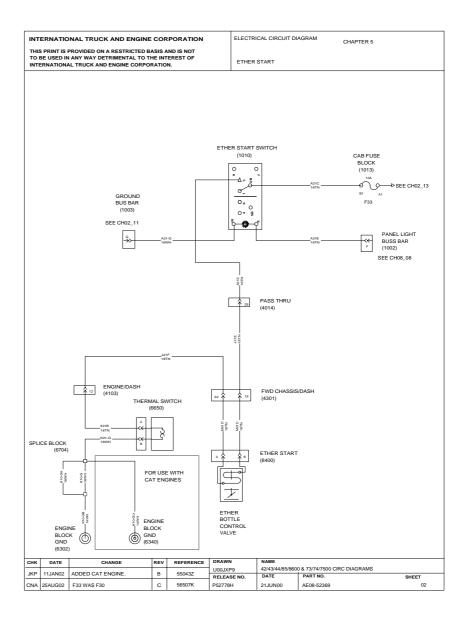


Figure 49 Ether Start

5.3. SNOW VALVE, P. 3

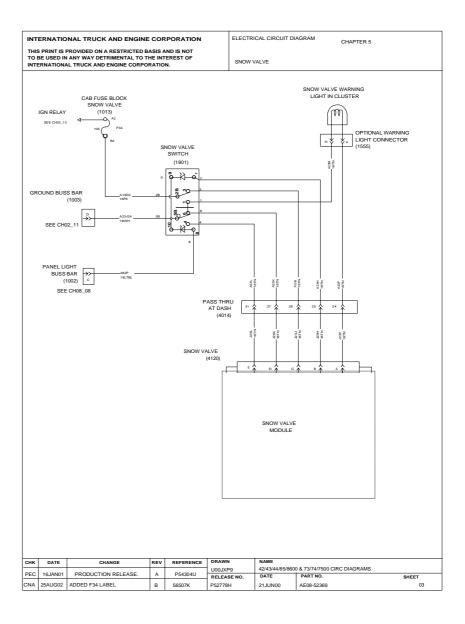


Figure 50 Snow Valve

5.4. FAN WIRING, CATERPILLAR AND CUMMINS, P. 4

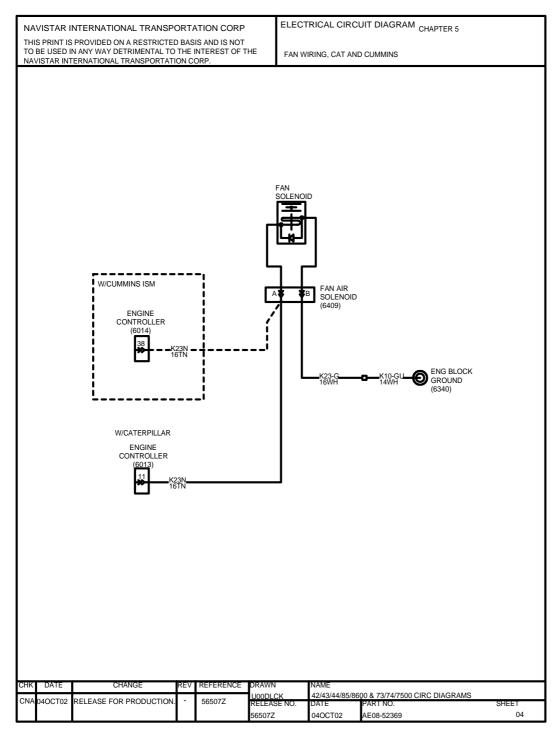


Figure 51 Fan Wiring, Caterpillar and Cummins

6. ELECTRONIC ENGINES (CHAPTER 6)

6.1. ELECTRONIC ENGINE CONTROLS, I6-HEUI ENGINES, P. 1

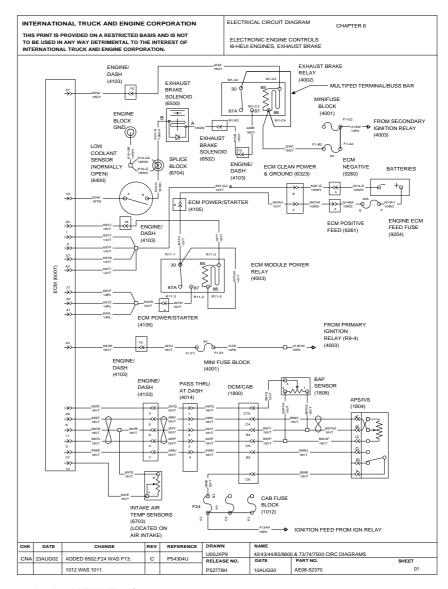


Figure 52 Electronic Engine Controls, I6-HEUI Engines

6.2. ELECTRONIC ENGINE CONTROLS, I6-HEUI ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS, P. 2

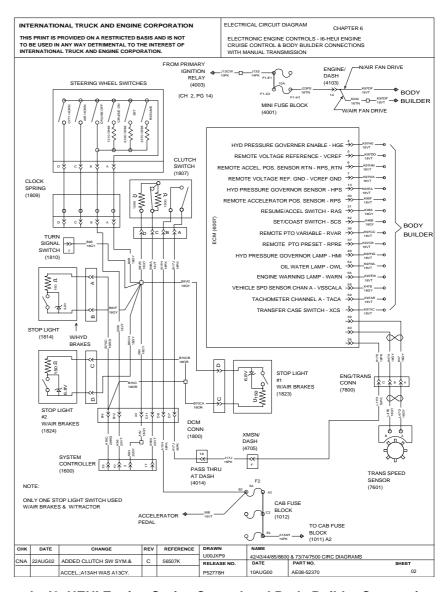


Figure 53 Electronic Engine Controls, I6-HEUI Engine Cruise Control and Body Builder Connections

6.3. ELECTRONIC ENGINE CONTROLS, (V8-AVNT) ENGINES, P. 3

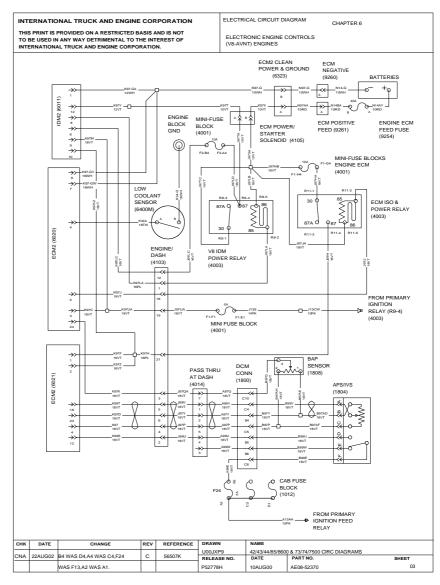


Figure 54 Electronic Engine Controls, (V8-AVNT) Engines

6.4. ELECTRONIC ENGINE CONTROLS, V8-AVNT ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS, P. 4

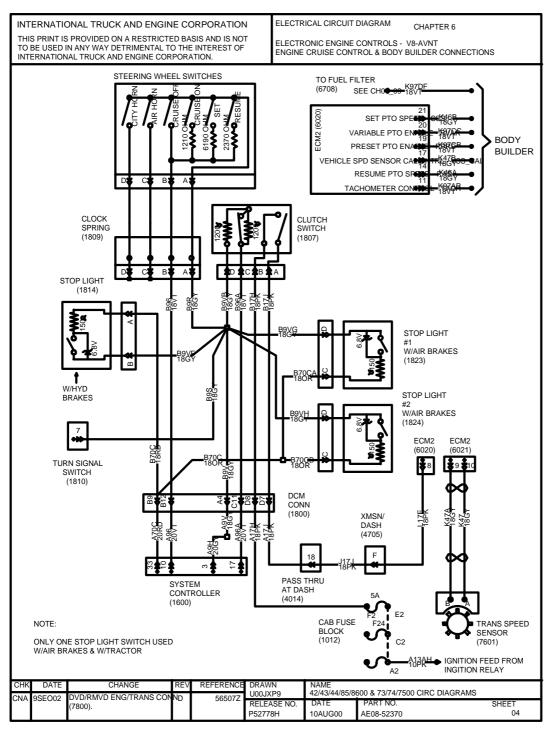


Figure 55 Electronic Engine Controls, V8-AVNT Engine Cruise Control and Body Builder Connections

6.5. CATERPILLAR C10 AND C12 ENGINES, P. 5

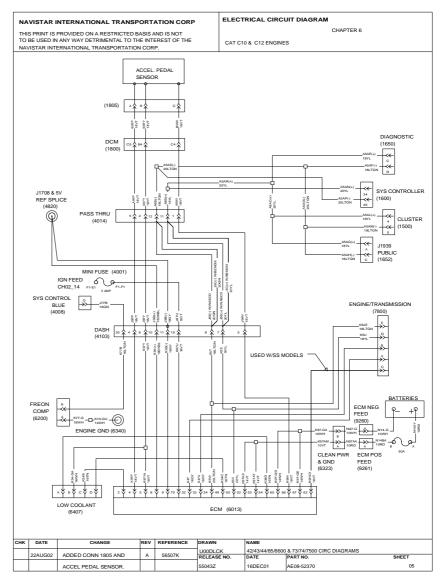


Figure 56 Caterpillar C10 and C12 Engines

6.6. CUMMINS ISM ENGINE, P. 6

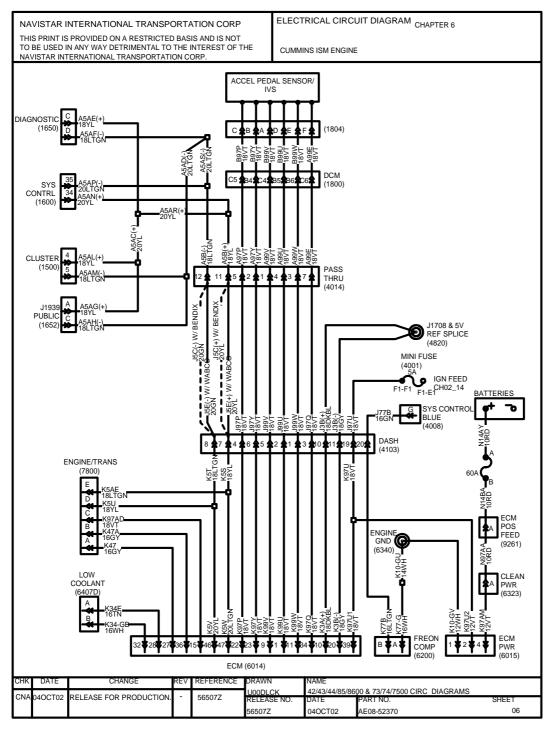


Figure 57 Cummins Engine